

[Redacted]

[Redacted]

[Redacted]

marinescotland

Marine Scotland Licensing Operations Team

Scottish Government

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB

[Redacted]

[Redacted] / MS.MarineRenewables@gov.scot

<http://www.gov.scot/Topics/marine/Licensing/marine>

[Redacted]

From: [Redacted]
Sent: 27 February 2018 09:59
To: [Redacted]; 'navigationsafety@mcga.gov.uk';
'navigation@nlb.org.uk'; 'MARINEENERGY'
Cc: [Redacted]
Subject: EOWDC - Geotechnical Survey - March 2018 - Exemption Request - Response
required by Friday 2nd March 2018
Attachments: Geotech Survey Proposed Locations.pdf; Notice of Intention to Carry Out an
Exempted Activity.pdf

Dear all

Aberdeen Offshore Wind Farm Limited ("AOWFL") have submitted the attached "Notice of Intention to Carry Out An Exempted Activity" for geotechnical surveys at the EOWDC site under Part 3, Article 18B of the Marine Licensing (Exempted Activities) (Scottish Inshore Region) Order 2011 (as amended).

The works are expected to take place during March 2018 and will consist of the following;

- Cone penetration tests on the seabed – approx. 40 tests within the area, no deeper than 3 m into the seabed, no sediment to be removed
- Vibrocore (and possibly rockdrill) samples taken from the seabed – approx. 20 tests within the area, no deeper than 3 m into the seabed, with small amounts of sediment to be removed (less than 1 cubic meter total from all tests).

AOWFL have confirmed that Notices to Mariners will be issued and a notice placed in the Kingfisher Fortnightly Bulletin as per the attached Notice.

I would be grateful if you could please return with any comments on this exemption request by **Friday 2nd March 2018**

If you have any queries please do not hesitate to contact MS-LOT. Please let me know if you require any further information in order to consider this request (i.e. method statement).

Marine Scotland's guidance on exemptions for sediment sampling and scientific instrument deployment can be downloaded from: <http://www.gov.scot/Topics/marine/Licensing/marine/Applications/sedimentsampling>

Kind regards

[Redacted]

[Redacted]
[Redacted]

marinescotland

Marine Scotland Licensing Operations Team

Scottish Government

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB

[Redacted]

[Redacted] / MS.MarineRenewables@gov.scot

<http://www.gov.scot/Topics/marine/Licensing/marine>

[Redacted]

From: [Redacted]
Sent: 27 February 2018 16:46
To: [Redacted] ; [Redacted]
Cc: [Redacted]
Subject: EOWDC - Marine Licence 04309/18/0: Contractors, Subcontractors, Vessels, Agents - Update - Acknowledgement of receipt

Hi [Redacted]

Many thanks for submitting these details, MS-LOT acknowledge receipt and a varied licence will be issued this week.

Kind regards

[Redacted]

From: [Redacted]
Sent: 27 February 2018 13:55
To: [Redacted]
Cc: [Redacted]
Subject: FW: Marine Licence 04309/18/0: Contractors, Subcontractors, Vessels, Agents - Update

Marine Licence 04309/18/0: Condition 3.1.2 – Contractors, Subcontractors, Vessels, Agents - Update

Dear [Redacted]

Further to my email yesterday (included below for completeness), please find details of additional vessels proposed to be utilised during construction of the EOWDC.

Kind regards,
[Redacted]

Master's name	[Redacted] (until 02/03/18 – after TBC)
Vessel name	MCS Blue Norther
Vessel type	Crew Vessel
Vessel IMO number	9662435
Vessel owner / operating company	Maritime Craft Services
Function	CTV

Master's name	TBC
Vessel name	Sea Alfa
Vessel type	Sea Tug
Vessel IMO number	IMO 9466271
Vessel owner / operating company	SeaContractors
Function	Tug

Please note, the EDT Hercules may be required to be replaced by an alternative vessel. Currently several alternatives are currently being considered by our Contractor, and they expect to narrow down this list in 3 days. Current alternatives to the EDT Hercules are the DSV Constructor (previously included on the Licence), and the vessels listed below:

Master's name	TBC
Vessel name	BOKA Atlantis
Vessel type	Dive Support Vessel
Vessel IMO number	9441221
Vessel owner / operating company	Boskalis
Function	Construction Support Vessel Foundation Package

Master's name	TBC
Vessel name	Normand Reach
Vessel type	Construction Support Vessel
Vessel IMO number	9687241
Vessel owner / operating company	Reach Subsea
Function	Construction Support Vessel Foundation Package

Master's name	TBC
Vessel name	Olympic Delta
Vessel type	Construction Support Vessel
Vessel IMO number	9745768
Vessel owner / operating company	Olympic Shipping
Function	Construction Support Vessel Foundation Package

Master's name	TBC
Vessel name	Polar Queen
Vessel type	Construction Support Vessel
Vessel IMO number	9523378
Vessel owner / operating company	GC RIEBER SHIPPING
Function	Offshore Construction Vessel Foundation Package

Master's name	TBC
Vessel name	Olympic Challenger
Vessel type	Light Construction Vessel/ROV Support
Vessel IMO number	9398292
Vessel owner / operating company	Olympic Shipping
Function	Offshore Construction Vessel Foundation Package

Master's name	TBC
Vessel name	MV Larissa
Vessel type	IMR & LIGHT CONSTRUCTION VESSEL
Vessel IMO number	9521033
Vessel owner / operating company	Golden Energy Offshore
Function	Offshore Construction Vessel Foundation Package

Master's name	TBC
Vessel name	MV Edda Fonn
Vessel type	DP2 IMR, Survey and Light Construction Vessel
Vessel IMO number	9273662

Vessel owner / operating company	Reach Subsea
Function	Offshore Construction Vessel Foundation Package

[Redacted]
[Redacted]
naturalpower.com
renewable energy consultants

[Redacted]
[Redacted]
[Redacted]

Natural Power Consultants Limited is a registered company (SC177884) in Scotland. Our Registered Office is The Greenhouse, Dalry, Castle Douglas, DG7 3XS, UK.
[Disclaimer](#)

From: [Redacted]
Sent: 26 February 2018 11:57
To: [Redacted]; [Redacted]
Cc: [Redacted]; [Redacted]
Subject: Marine Licence 04309/18/0: Contractors, Subcontractors, Vessels, Agents - Update

Marine Licence Marine Licence 04309/18/0: Condition 3.1.2 – Contractors, Subcontractors, Vessels, Agents - Update

Dear [Redacted]

Please find below the details of additional vessels at the EOWDC.

Kind regards,
[Redacted]

Master's name	[Redacted]
Vessel name	MV Doer
Vessel type	CTV
Vessel IMO number	9815018
Vessel owner / operating company	Northern Offshore Services A/S
Function	Pax transfer

Master's name	[Redacted]
Vessel name	MV Dispatcher
Vessel type	CTV
Vessel IMO number	9778753
Vessel owner / operating company	Northern Offshore Services A/S
Function	Pax transfer

Master's name	[Redacted]
Vessel name	Ndeavor
Vessel type	Cable Laying Vessel
Vessel IMO number	9650212

Vessel owner / operating company	Boskalis
Function	Cable Laying Vessel (infield cables)

Master's name	TBC
Vessel name	Manu Pekka
Vessel type	Backhoe Dredger (no propulsion)
Vessel IMO number	MMSI: 212701000
Vessel owner / operating company	Boskalis
Function	Dredging trench

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

[Redacted]

From: [Redacted]
Sent: 27 February 2018 13:55
To: [Redacted] [Redacted]
Cc: [Redacted]
Subject: FW: Marine Licence 04309/18/0: Contractors, Subcontractors, Vessels, Agents - Update

Marine Licence 04309/18/0: Condition 3.1.2 – Contractors, Subcontractors, Vessels, Agents - Update

Dear [Redacted]

Further to my email yesterday (included below for completeness), please find details of additional vessels proposed to be utilised during construction of the EOWDC.

Kind regards,
[Redacted]

Master's name	[Redacted] (until 02/03/18 – after TBC)
Vessel name	MCS Blue Norther
Vessel type	Crew Vessel
Vessel IMO number	9662435
Vessel owner / operating company	Maritime Craft Services
Function	CTV

Master's name	TBC
Vessel name	Sea Alfa
Vessel type	Sea Tug
Vessel IMO number	IMO 9466271
Vessel owner / operating company	SeaContractors
Function	Tug

Please note, the EDT Hercules may be required to be replaced by an alternative vessel. Currently several alternatives are currently being considered by our Contractor, and they expect to narrow down this list in 3 days. Current alternatives to the EDT Hercules are the DSV Constructor (previously included on the Licence), and the vessels listed below:

Master's name	TBC
Vessel name	BOKA Atlantis
Vessel type	Dive Support Vessel
Vessel IMO number	9441221
Vessel owner / operating company	Boskalis
Function	Construction Support Vessel Foundation Package

Master's name	TBC
Vessel name	Normand Reach
Vessel type	Construction Support Vessel

Vessel IMO number	9687241
Vessel owner / operating company	Reach Subsea
Function	Construction Support Vessel Foundation Package

Master's name	TBC
Vessel name	Olympic Delta
Vessel type	Construction Support Vessel
Vessel IMO number	9745768
Vessel owner / operating company	Olympic Shipping
Function	Construction Support Vessel Foundation Package

Master's name	TBC
Vessel name	Polar Queen
Vessel type	Construction Support Vessel
Vessel IMO number	9523378
Vessel owner / operating company	GC RIEBER SHIPPING
Function	Offshore Construction Vessel Foundation Package

Master's name	TBC
Vessel name	Olympic Challenger
Vessel type	Light Construction Vessel/ROV Support
Vessel IMO number	9398292
Vessel owner / operating company	Olympic Shipping
Function	Offshore Construction Vessel Foundation Package

Master's name	TBC
Vessel name	MV Larissa
Vessel type	IMR & LIGHT CONSTRUCTION VESSEL
Vessel IMO number	9521033
Vessel owner / operating company	Golden Energy Offshore
Function	Offshore Construction Vessel Foundation Package

Master's name	TBC
Vessel name	MV Edda Fonn
Vessel type	DP2 IMR, Survey and Light Construction Vessel
Vessel IMO number	9273662
Vessel owner / operating company	Reach Subsea
Function	Offshore Construction Vessel Foundation Package

[Redacted]
[Redacted]
naturalpower.com
renewable energy consultants

[Redacted]
[Redacted]
[Redacted]

From: [Redacted]
Sent: 26 February 2018 11:57
To: [Redacted]; [Redacted]
Cc: [Redacted]; [Redacted]
Subject: Marine Licence 04309/18/0: Contractors, Subcontractors, Vessels, Agents - Update

Marine Licence Marine Licence 04309/18/0: Condition 3.1.2 – Contractors, Subcontractors, Vessels, Agents - Update

Dear [Redacted]

Please find below the details of additional vessels at the EOWDC.

Kind regards,
[Redacted]

Master's name	[Redacted]
Vessel name	MV Doer
Vessel type	CTV
Vessel IMO number	9815018
Vessel owner / operating company	Northern Offshore Services A/S
Function	Pax transfer

Master's name	[Redacted]
Vessel name	MV Dispatcher
Vessel type	CTV
Vessel IMO number	9778753
Vessel owner / operating company	Northern Offshore Services A/S
Function	Pax transfer

Master's name	[Redacted]
Vessel name	Ndeavor
Vessel type	Cable Laying Vessel
Vessel IMO number	9650212
Vessel owner / operating company	Boskalis
Function	Cable Laying Vessel (infield cables)

Master's name	TBC
Vessel name	Manu Pekka
Vessel type	Backhoe Dredger (no propulsion)
Vessel IMO number	MMSI: 212701000
Vessel owner / operating company	Boskalis
Function	Dredging trench

[Redacted]

From: [Redacted]
Sent: 27 February 2018 15:43
To: [Redacted] [Redacted]
Cc: [Redacted]
Subject: RE: EOWDC - Proposed Geotechnical and Geophysical Survey_Offshore Export Cable Route - Request for NOE to be submitted ASAP

[Redacted]

I can confirm now that it has been confirmed that the geophysical survey detailed on my email below will not be carried out at this stage.

Regards,
[Redacted]

From: [Redacted]
Sent: Thursday, February 22, 2018 11:23 AM
To: [Redacted] [Redacted]
Cc: [Redacted]
Subject: EOWDC - Proposed Geotechnical and Geophysical Survey_Offshore Export Cable Route - Request for NOE to be submitted ASAP

Hi [Redacted]

Geotechnical Survey

Can you please complete and return the "Notice of Exempted Activity" as soon as possible to give MS-LOT sufficient time to review? Once we have seen the NOI we will be able to confirm whether the works are exempt or not.

Geophysical Survey

We will come back to you regarding the EPS issue as soon as possible.

Best

[Redacted]

From: [Redacted]
Sent: 22 February 2018 10:52
To: [Redacted]
Cc: [Redacted]
Subject: RE: EOWDC - Proposed Geotechnical and Geophysical Survey_Offshore Export Cable Route - Acknowledgement of receipt

Thanks [Redacted]

Just to clarify that the range that the different equipment will operate is from 400/500Hz – 24kHz.

Regards,
[Redacted]

From: [Redacted]
Sent: Thursday, February 22, 2018 10:11 AM
To: [Redacted]
Cc: [Redacted]
Subject: EOWDC - Proposed Geotechnical and Geophysical Survey_Offshore Export Cable Route - Acknowledgement of receipt

Dear [Redacted]

Many thanks for submitting this information to MS-LOT. We will review and respond in due course.

Kind regards

[Redacted]

From: [Redacted]
Sent: 21 February 2018 23:14
To: [Redacted]
Cc: [Redacted]
Subject: Proposed Geotechnical and Geophysical Survey_Offshore Export Cable Route

Dear [Redacted]

As discussed on the call earlier today, AOWFL is proposing to carry out geotechnical and geophysical survey work on the EOWDC cable route and details are provided below.

Geotechnical Survey:

Sediment samples will be taken using a vibrocore and Grab (Van Veen) methodologies, and cone penetration tests (CPT). No sediment will be removed during the CPTS. Based on MS-LOT guidance "Sediment Sampling and Scientific Instrument Deployment" (<http://www.gov.scot/Topics/marine/Licensing/marine/guidance>) and the proposed methodology, we believe these works are exempt from Marine Licensing, as the following applies:

- the volume of sediment removed is less than 1 cubic metre (per 'grab');
- it is not likely to cause a danger or obstruction to navigation;
- it is a plan or project not likely (either alone or in combination with other plans or projects) to have a significant effect on a European site; a Ramsar site; the protected features of a Marine Protected Area (MPA); or any process on which the conservation of any protected feature of a MPA is dependent.

We will therefore complete the Notice of Exempted Activity form (<http://www.gov.scot/Topics/marine/Licensing/marine/Applications/exemptedactivity>), and submit to MS-LOT in advance of the works. In addition to the corresponding notifications including the NtMs.

Geophysical survey:

Geophysical survey work may also be undertaken, using an Edgetech 3200 sub-bottom profiler (SBP). The equipment will operate at 400-500 Hz, and therefore will be audible to all groups of marine mammals. It is therefore proposed that the geophysical works are carried out under the existing EPS licence for the construction phase (MS EPS 25/2017/01). AOWFL considers that mitigation is not required for the SBP alone as there is no potential for auditory injury (only disturbance, as is permitted under the licence). However, if USBL equipment is proposed to be used in conjunction with the SBP, there will of course be a pre-work search prior to the use of the USBL. The USBL will then remain on throughout the works, thus effectively deterring marine mammals from the area.

Should any changes be required to the Marine Noise Registry Form, a new proposed activity form will be submitted no later than seven days prior to commencement of the licenced activity (as per Condition 3 of the Licence). The corresponding NtM will also be issued.

Please let me know if you agree with the approach describe above or require any further information at this stage on the proposed surveys.

Thanks,

[Redacted]

[Redacted]

Aberdeen Offshore Wind Farm

3rd Floor, The Tun Building

4 Jackson's Entry

Holyrood Road

Edinburgh

EH8 8PJ

[Redacted]

[Redacted]

We have recently changed the registered offices of a number of our companies. The following are now registered at 1 Tudor Street, London, EC4Y 0AH:
Vattenfall Wind Power Ltd, Border Wind Ltd, Border Wind Farms Ltd, BW Ops Ltd, Clashindarroch Wind Farm Ltd, Eclipse Energy UK Ltd,
Eclipse Energy Company Ltd, Kentish Flats Ltd, Ormonde Energy Ltd, Ormonde Energy Holdings Ltd, Ormonde Project Company Ltd, Thanet Offshore

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

This email has been received from an external party and has been swept for the presence of computer viruses.

This e-mail (and any files or other attachments transmitted with it) is intended solely for the attention of the addressee(s). Unauthorised use, disclosure, storage, copying or distribution of any part of this e-mail is not permitted. If you are not the intended recipient please destroy the email, remove any copies from your system and inform the sender immediately by return.

Communications with the Scottish Government may be monitored or recorded in order to secure the effective operation of the system and for other lawful purposes. The views or opinions contained within this e-mail may not necessarily reflect those of the Scottish Government.

Tha am post-d seo (agus faidhle neo ceanglan còmhla ris) dhan neach neo luchd-ainmichte a-mhàin. Chan eil e ceadaichte a chleachdadh ann an dòigh sam bith, a' toirt a-steach còraichean, foillseachadh neo sgaoileadh, gun chead. Ma 's e is gun d'fhuair sibh seo gun fhiosd', bu choir cur às dhan phost-d agus lethbhreac sam bith air an t-siostam agaibh agus fios a leigeil chun neach a sgaoil am post-d gun dàil.

[Redacted]

From: [Redacted]
Sent: 27 February 2018 11:44
To: [Redacted]
Cc: [Redacted]
Subject: EOWDC - UXO Relocation Works - 'MMO' report - Signed Version - Acknowledgement of receipt

Hi [Redacted]

Many thanks for submitting a signed version, MS-LOT acknowledge receipt and will respond in due course.

Kind regards

[Redacted]

From: [Redacted]
Sent: 27 February 2018 11:23
To: [Redacted]
Cc: [Redacted] [Redacted]
[Redacted]
Subject: RE: 'MMO' report - EOWDC Non-UXO relocation works

Hello [Redacted]

Further to my email below, please find attached a signed version of the 'MMO' report for the non-UXO relocation works undertaken at EOWDC in January 2018.

Apologies for the delay with this.

Kind regards,
[Redacted]

[Redacted]
[Redacted]
naturalpower.com
renewable energy consultants

[Redacted]
[Redacted]
[Redacted]

Natural Power Consultants Limited is a registered company (SC177681) in Scotland. Our Registered Office is The Greenhouse, Dalry, Castle Douglas, DG7 3XS, UK.
[Disclaimer](#)

From: [Redacted]
Sent: 21 February 2018 11:34
To: [Redacted]
Cc: [Redacted] ; [Redacted]
[Redacted] [Redacted]
Subject: 'MMO' report - EOWDC Non-UXO relocation works

Dear [Redacted]

Please find attached the 'MMO' report for the non-UXO relocation works undertaken at EOWDC in January 2018.

Please note, the attached report (.pdf) has not yet been signed due to a lack of availability within Boskalis. We intend to issue a signed version as soon as possible.

I trust the information contained within the report, coupled with the log sheets (attached again for completeness) and the most recent ECoW monthly report is sufficient, however please let me know if you have any questions.

Kind regards,
[Redacted]

From: [Redacted]

Sent: 01 February 2018 19:03

To: [Redacted]

Cc: [Redacted]

Subject: 06357/18/0 UXO Marine Licence: Condition 3.1.10 Environmental Protection and 3.2.3.2 Marine Mammal and Fish Recording

06357/18/0 UXO Marine Licence: Condition 3.1.10 Environmental Protection and 3.2.3.2 Marine Mammal and Fish Recording

Dear [Redacted]

Please find attached the "MMO" (suitably briefed crew member) records from the Non-UXO relocation works undertaken 18th - 21st Jan 2018. The works carried out aboard the EDT Hercules required the use of ROV, and therefore USBL positioning equipment.

In line with Condition 3.1.10 of the Marine Licence these records have been submitted 14 days following the commencement of the Works (2nd Campaign). While it is acknowledged Condition 3.2.3.2 of the Marine Licence requires information on observations of Salmonids and carcass searches, no detonations were undertaken during this campaign therefore no fish records have been included within the records.

Please note -

- Due to a miscommunication between the vessel crew undertaking the pre-work search and the personnel in charge of activating the USBL on board the EDT Hercules, there was a 30 min delay between the end of the pre-work search and the USBL being activated. This has been included within the January ECoW report, and corrective actions described.
- The crew alternated between using two available ROV's, which communicate via beacons with a vessel mounted USBL pole. While the 'Operations' tab indicate that USBL equipment in its entirety was stopped and started a number of times over the course of the works, the Contractor has since clarified that this information relates to the ROVs, and that the vessel mounted USBL remained on throughout the works. Superintendent aboard the EDT Hercules during the Works stated - *"I checked again on the bridge and they confirmed that the USBL system kept running over the whole period we were out in the field busy with the operation. What they mean by stopping the system is when they switch from WROV. They will stop the USBL for 1 WROV (but USBL pole stays online and pinging, so noise is still produced), and then switch over to other WROV if needed. This will in the future operation be logged more clearly to avoid this miscommunication."*
- Furthermore, while it is recognised there were further watches carried out beyond the initial pre-work search, it has been re-iterated to the Contractor that further searches are not required once the initial pre-work search has been carried out and the USBL is activated, unless there is a break in operations. 'Breaks' noted within the 'Effort' tab are breaks in operation of the ROVs, rather than the vessel mounted USBL.